

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Remotely Piloted Aerial Systems Commercial
Operations

2019

RPS1 Curriculum Modification 201920


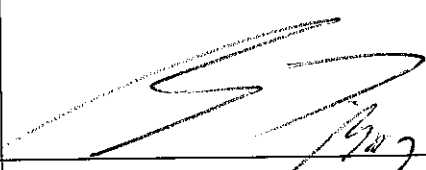

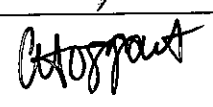
Fanshawe College

Follow this and additional works at: [https://first.fanshawec.ca/
cae_aviationtech_remotelypilotedaerialsystems_documentation](https://first.fanshawec.ca/cae_aviationtech_remotelypilotedaerialsystems_documentation)

CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Remotely Piloted Aerial Systems Commercial Operations		
Program Number: RPS1	Date Submitted: 5/16/2019	
Dean responsible for program: S.Patterson	Chair: Larry Weir	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input type="checkbox"/> Diploma <input type="checkbox"/> Advanced Diploma <input checked="" type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 2019/20	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: Click here to enter a date.	
<div style="background-color: black; color: white; padding: 5px;"> <i>I have read the reasons for the change and...</i> <div style="float: right;"><i>Signature and date</i></div> </div>		
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 May 17/19
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 May 21/19
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 May 21/19
Office of the Registrar: <div style="text-align: right;">Systems</div>	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 May 17, 2019
Notes:		

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).

See attached amended Degree Audit

2.0 Reason/Rationale for Changes

2.1 The reason for the change is based on:

- ☐ A recent program review
- ☐ Program Advisory Committee feedback
- ☐ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☒ Trends in the field/industry
- ☐ Other (please describe):

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- ☒ Yes
- ☐ No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- ☒ Goal 1 - Enhance innovative practices for exceptional student learning
- ☐ Goal 2 - Manage enrolment growth
- ☐ Goal 3 - Optimize use of resources
- ☐ Goal 4 - Build sustainable sources of alternative revenue

3.0 Students

3.1 Will the change affect the cost of the program for students?

- ☒ Yes
- ☐ No

3.2 If yes, there will be an additional cost for:

- ☐ Materials (Include details):
- ☐ Equipment (Include details):

☒ Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

☒ Yes

☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

☒ No

☐ Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

☒ No

☐ Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

- ☐ Lawrence Kinlin School of Business
- ☐ School of Information Technology
- ☐ School of Tourism, Hospitality and Culinary Arts
- ☐ School of Community Studies
- ☐ School of Health Sciences
- ☐ School of Nursing
- ☐ School of Public Safety
- ☐ School of Contemporary Media
- ☐ School of Design
- ☐ School Digital and Performing Arts
- ☐ School of Language and Liberal Studies
- ☐ Donald J. Smith School of Building Technology
- ☒ Norton Wolf School of Aviation Technology
- ☐ School of Applied Sciences and Technology
- ☐ School of Transportation Technology and Apprenticeship
- ☐ Continuing Education
- ☐ Simcoe/Norfolk Regional Campus
- ☐ St Thomas/Elgin Regional Campus
- ☐ Woodstock/Oxford Regional Campus
- ☐ Huron/Bruce Regional Sites

- 5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

☒ No
☐ Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

- 5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

☒ No
☐ Yes (If yes, consult with the Co-op office prior to submission)

6.0 Resource Implications of Proposed Changes

- 6.1 Will the proposed change have staffing implications?

☒ No
☐ Yes (If yes, please explain)

- 6.2 Will the proposed change impact any of the Enabling areas?

☒ No
☐ Yes (If yes, please explain)

- 6.3 Will the proposed change affect space and/or technology requirements?

☒ No
☐ Yes (If yes, please explain)

7.0 General College Requirements

- 7.1 Are changes consistent with Colleges policies?

☒ Yes
☐ No (If no, please explain)

- 7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

☐ No
☒ Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
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- 7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

☒ No
☐ Yes

Note: In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: 620
ii) Total program hours after proposed change: 660
iii) Level(s) in which the proposed change(s) occurs: L1/L2

7.4.1 Are the total program hours consistent with the requirements as listed below?

☐ Yes
☒ No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2100 hours
Graduate Certificate - 600 hours	

Degree Audit Report

Catalog: 2018/2019

Proposed

Program: RPS1

Remotely Piloted Aerial
Name: Systems Commercial
Operations

Department: AVI - Norton Wolf School of Aviation

Academic Level: PS

CCD: 7 - 2AcadSem/600-700 hrs

Credential: Ontario College Graduate Cert

Grade Scheme: LG2

Major: RPS1-Remotely Piloted Aerial System

Div: AVI - School of Aviation
Technology

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 25.00

Residency Reqmt: 7.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: RPS1.18 Remotely Piloted Aerial Syst Commercial Operations

Major: RPS1

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Take all the following Mandatory Courses:

		Total Hours	Total Credits	GE
AVIA-6008	Ground School	45.00	3.00	
AVIA-6009	Flight Operations	60.00	4.00	
MANF-6001	Fabrication and Maintenance-Part I	60.00	2.50	
MGMT-6001	Data Analysis and Payload Management-Part I	60.00	2.50	
AVIA-6010	Flight Training-Basic	90.00	3.50	

Subrequirement: Level 2

Take all the following Mandatory Courses:

		Total Hours	Total Credits	GE
BUSI-6009	Applications	45.00	3.00	
MANF-6002	Fabrication and Maintenance-Part II	60.00	2.50	
MGMT-6002	Data Analysis and Payload Management-Part II	60.00	2.50	
AVIA-6011	Flight Training-Intermediate	90.00	3.50	
AVIA-6012	Flight Training-Advanced	90.00	3.00	

Subrequirement: Program Residency

Students Must Complete a Minimum of 7 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved by Chair/Manager:

Approved by Dean:

General Education Approved By(as appropriate):

Nancy Weir - Assoc. Dean May 17/19

Department and Date:

Date:

Date:

Degree Audit Report

Catalog: 2018/2019

Existing

Program: RPS1

Name: Remotely Piloted Aerial Systems
Commercial Operations

Department: AVI - Norton Wolf Sch of Aviation

Academic Level: PS

CCD: 7 - 2AcadSem/600-700 hrs

Credential: Ontario College Graduate Cert

Grade Scheme: LG2

Major: RPS1 - Remotely Piloted Aerial System

Div: AVI - School of Aviation Technology

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 25.00

Residency Reqmt: 7.00

GPA Requirement: 2.00

Residency Reqmt GPA: 2.00

Minimum Grade: D

Academic Requirement: RPS1.18 Remotely Piloted Aerial Syst Commercial Operations

Major: RPS1

Grade Scheme: LG2

Minimum GPA: 2.00

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
AVIA-6008	Ground School	45.00	3.00	
BUSI-6009	Applications	45.00	3.00	
MTNC-6001	Service & Repair	45.00	1.50	
MANF-6001	Design & Fabrication	60.00	2.00	
AVIA-6010	Flight Operations-Basic	60.00	2.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
AVIA-6009	Flight Training-Inter	100.00	3.50	
AVIA-6012	Flight Training-Adv	100.00	3.50	
AVIA-6013	Flight Operations-Adv	60.00	2.00	
MGMT-6116	Data Analysis & Management	45.00	1.50	
AVIA-6011	Payload Management	60.00	2.00	

Subrequirement: Program Residency

Students Must Complete a Minimum of 7 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved By Chair/Manager:

Approved by Dean:

General Education Approved By(as appropriate):

Department and Date:

Date:

Date:

Larry Weiss, Assoc. Dean May 17/19
May 12/19

RPS1
Existing

RPS2
Proposed

		Total Hours	Total Credits			Total Hours	Total Credits	Lec/ Lab	
AVIA-6008	Ground School	45	3	AVIA-6008	Ground School	45	3	45OL	change delivery model
BUSI-6009	Applications	45	3	AVIA-6014	Flight Operations	60	4	60 lec	new
MTNC-6001	Service and Repair	45	1.5	MANF-6002	Fabrication and Maintenance-Part I	60	2.5	15/45	new
MANF-6001	Design and Fabrication	60	2	MGMT-6149	Data Analysis and Payload Management-Part I	60	2.5	15/45	new
AVIA-6010	Flight Operations - Basic	60	2	AVIA-6015	Flight Training-Basic	90	3.5	15/75	new
		255				315			

Subrequirement: Level 2

Take all the following Mandatory Courses:

Subrequirement: Level 2

Take all the following Mandatory Courses:

		Total Hours	Total Credits			Total Hours	Total Credits		
AVIA-6013	Flight Operations - Adv	60	2	BUSI-6009	Applications	45	3	45OL	change delivery model
MGMT-6116	Data Analysis & Management	45	1.5	MANF-6003	Fabrication and Maintenance-Part II	60	2.5	15/45	new
AVIA-6011	Payload Management	60	2	MGMT-6150	Data Analysis and Payload Management-Part II	60	2.5	15/45	new
AVIA-6009	Flight Training -Inter	100	3.5	AVIA-6016	Flight Training-Intermediate	90	3.5	15/75	new
AVIA-6012	Flight Training - Adv	100	3.5	AVIA-6012	Flight Training-Advanced	90	3	15/75	decrease only
		365				345			
Total		620	24			660	30		

PROGRAM CHANGES TO RPS1– 15 WEEK PROGRAM

Level	Current:	Proposed:	Current:	Proposed :	Current:		Proposed Change:		Delivery / Comment(s)
	Course Code:	New Course Code:	Course Name"	Course Name:	Hours Per Week	Total Hours Term	Hours Per Week:	Total Hours Term:	
1	AVIA-6008		GROUND SCHOOL	GROUND SCHOOL	3	45	3	45	ONLINE
	BUSI-6009		APPLICATIONS		3	45			
	MTNC-6001		SERVICE & REPAIR	---	3	45			
	MANF-6001	MANF-6002	DESIGN & FABRICATION	FABRICATION & MAINTENANCE I	4	60	4	60	15LEC/45L
	AVIA-6010	AVIA-6014	FLIGHT OPERATIONS BASIC	FLIGHT OPERATIONS	4	60	4	60	60LEC
		MGMT-6149		DATA ANALYSIS&PAYLOAD MGT I			4	60	15LEC/45L
		AVIA-6015		FLIGHT TRAINING -BASIC			6	90	15LEC/75L
	Total(s):				17.0	255	21	315	
2		BUSI-6009		APPLICATIONS			3	45	ONLINE
		MANF-6003		FABRICATION&MAINT PT II			4	60	15LEC/45LAB
	AVIA-6011	MGMT-6150	PAYLOAD MANAGEMENT	DATA ANALYSIS&PAYLOAD MGT II	4	60	4	60	15LEC/45/LAB
	AVIA-6009	AVIA-6016	FLIGHTTRAINING-INTERMEDIATE	FLIGHT TRAINING-INTERMEDIATE	6.6	100	6	90	15LEC/75LAB
	AVIA-6012	AVIA-6012	FLIGHT TRAINING ADVANCED	FLIGHT TRAINING –ADVANCED	6.6	100	6	90	15LEC/75 LAB
	AVIA-6013		FLIGHT OPERATIONS ADV		4	60			
	MGMT-6116		DATA ANALYSIS&MANAGEMENT		3	45			
	Total(s):				24.3	365	23	345	

Proposal Rationale: